

REMARKS

By the foregoing Amendment, Claim 27 has been amended. Claims 27-35 remain pending. Favorable reconsideration of the application is respectfully requested.

The Examiner objected to the drawings on the grounds that they should show the tool combined with the collar. Accordingly, Fig. 7D has been amended to include the pin with the swaging collar and internal sealing insert of Fig. 1, in order to show the tool combined with the collar, as required by the Examiner. It is believed that the amendment of Fig. 7D introduces no new matter in the application. It is therefore believed that the objection to the drawings can be withdrawn.

Claims 27, 28 and 31-35 were rejected under 35 U.S.C. §103(a) on the grounds of obviousness from Briles in view of Bogatz and further in view of Dixon and Garvey (US 4,979,279), which was newly cited as disclosing a swaging tool with an outer nut rotatably engages with an anvil, and an outer sleeve threadedly engaged with the nut, and the anvil disposed within the outer sleeve. Claim 27 has been amended to recite "said outer sleeve provided over said outer nut and extending to the bottom end of said anvil." Support for the amendment can be found in the specification at page 9, lines 2-3.

Referring to Figs. 4B, 4C, and 7A-7D, and the specification at page 8, lines 1-2, the swaging tool of the invention is driven over the collar, and the swage tool can become stuck on the collar, and can be difficult to extract from the collar after the swaging operation. The features of the outer nut being rotatably engaged with the anvil, the outer sleeve being threadably engaged with the nut, the anvil being disposed within the outer

sleeve, and the outer sleeve extending over the outer nut to the bottom end of the anvil are important for allowing the narrow point at 32 of the anvil of the tool to be extracted from the collar after the collar has been swaged. Viewing Fig. 7D, once the swage tool has become stuck on a collar placed over a pin installed through a workpiece, it is possible to turn the nut 66 to force the outer sleeve 72 against the workpiece and force the anvil 20,62 off of the collar 3, bringing the narrowed point 32 of the swaging tool off of the collar as the anvil 20,62 is extracted by rotation of the nut 66. In Garvey, neither the outer nut 62 or threaded portion 58 extend to the end of the anvil 26 where the anvil swages a nut onto a threaded bolt, and consequently neither the outer nut 62 or threaded portion 58 can be utilized to force the anvil off the swaged nut. It is therefore respectfully submitted that the claims as amended patentably distinguish the combination of Briles, Bogatz, Dixon and Garvey, and that the rejection of Claims 27, 28 and 31-35 on the grounds of obviousness from Briles, in view of Bogatz and further in view of Dixon and Garvey, should be withdrawn.

Claims 29 and 30 were rejected under 35 U.S.C. §103(a) on the grounds of obviousness from modified Briles as applied above (Briles in view of Bogatz and further in view of Dixon and Garvey) and further in view of Rath, which was cited as disclosing a collar made of aluminum or titanium. Claims 29 and 30 depend from Claim 27, and in view of the foregoing amendments and remarks, it is respectfully submitted that the claims as amended patentably distinguish the combination of Briles, Bogatz, Dixon, Garvey and Rath, and that the rejection of Claims 29 and 30 on the grounds of

obviousness from modified Briles (Briles in view of Bogatz and further in view of Dixon and Garvey) and further in view of Rath should be withdrawn.

In light of the foregoing amendments and remarks, it is respectfully submitted that the application should now be in condition for allowance, and an early favorable action in this regard is respectfully requested.

The Commissioner is authorized to charge any deficiencies or fees in connection with this amendment to Deposit Account No. 06-2425.

Respectfully submitted,
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JWP/eab
Encl: Replacement Sheet 6 of Drawings

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